Index of Claims



Application/Control No.

09/973,299

Examiner

Phuongchau Ba Nguyen

Applicant(s)/Patent under Reexamination

KHALIL ET AL. Art Unit

2665

| √ | Rejected |
|---|----------|
|   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | Claim Date |              |                 |         |              | Cla       | im          | Date     |          |       |          |          |              | Cla      | aim      | Date     |               |   |                   |        |       |            |          |               |                         |           |          |          |          |          |          |
|----------|------------|--------------|-----------------|---------|--------------|-----------|-------------|----------|----------|-------|----------|----------|--------------|----------|----------|----------|---------------|---|-------------------|--------|-------|------------|----------|---------------|-------------------------|-----------|----------|----------|----------|----------|----------|
|          |            |              |                 | Т       |              |           |             | П        |          |       | <u> </u> |          |              |          |          |          |               |   |                   | 1      |       | <u>a</u>   |          |               |                         | Т         |          |          |          |          |          |
| Final    | Original   | 9/28/05      |                 |         |              |           |             |          | - 1      | Final | Original |          |              |          | - 1      | ŀ        |               |   |                   |        | Final | Original   |          |               |                         | -         |          | 1        |          |          |          |
| ₫        | <u>ڄ</u>   | 9/2          |                 |         |              | 1         |             |          | - 1      | ίΞ    | Ğ        |          |              |          |          |          |               |   |                   |        | 证     | Ç          |          |               |                         | -         |          | - 1      |          |          |          |
|          |            |              | $\sqcup$        |         | 4            | _         |             |          | _        |       |          |          |              |          | _        |          | 4             | 4   | <del> </del>      |        |       |            | $\Box$   |               | _                       | 4         | _        | _        | _        | _        | _        |
|          | 1 .        | 1            | $\sqcup$        | $\perp$ | $\bot$       | _         | $\sqcup$    | Ш        | _        |       | 51       |          |              |          | _        | _        |               |   | ┿                 |        |       | 101        |          | _             | 4                       | 4         | _        | _        | $\dashv$ | _        | _        |
|          | 2          | 1            | $\sqcup$        |         | $\downarrow$ | <u> </u>  | $\bot$      | $\sqcup$ |          |       | 52       |          | $\Box$       | $\Box$   | 4        | _        | _             | _   |                   |        |       | 102        | Щ        |               | $\perp$                 | 4         | _        |          | $\dashv$ | _        | _        |
| <u></u>  | 3          | 1            | $\vdash$        | $\bot$  | -            | ╀         | $\sqcup$    | $\sqcup$ |          |       | 53       |          |              | -        |          | <b>-</b> | 4             |   |                   |        |       | 103        |          |               | - -                     | 4         | -        | -        | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 4          | <b>√</b>     |                 | +       | +            | +         | $\vdash$    | $\vdash$ |          |       | 54       |          |              | -        | -+       | -        | +             | +   | ┿                 |        |       | 104        | $\dashv$ | -             | -                       | $\dashv$  | -        |          | $\dashv$ | $\dashv$ |          |
| _        | 5          | 1            | $\vdash$        |         | ╄            | ╄         | +           |          | $\dashv$ |       | 55<br>56 |          | $\dashv$     | $\dashv$ | $\dashv$ |          | +             |   | +                 |        |       | 105<br>106 | $\dashv$ | -             | ╁                       | ┥         | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ |
|          | 6<br>7     | 1            | -               | +       | +            | ╀         | $\vdash$    | Н        |          |       | 57       | H        |              | $\dashv$ | $\dashv$ | $\dashv$ | +             | +   | +                 | ł      |       | 107        | $\dashv$ | -             | +                       | $\dashv$  |          | $\dashv$ | -        |          |          |
| <u> </u> | 8          | 1            | $\vdash$        | ╁       | ╁            | ╀         | ╌┤          | Н        | $\dashv$ |       | 58       | H        |              | $\dashv$ | $\dashv$ | -+       | +             | +   | +                 |        |       | 108        | $\dashv$ |               | +                       | ╅         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| -        | 9          | V            |                 | +       | +            | ╁         | +           | H        | $\dashv$ |       | 59       | $\vdash$ |              | $\dashv$ | $\dashv$ | +        | +             | +   | +                 | liiii. |       | 109        | -        | -             | +                       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
| -        | 10         | Ť            |                 | +       | +            | +-        | H           | $\vdash$ | $\dashv$ |       | 60       | -        |              | $\dashv$ | $\dashv$ | -+       | +             | +   | +                 | 1      |       | 110        | $\dashv$ | $\vdash$      | +                       | $\dashv$  | $\dashv$ | $\dashv$ |          | -        | $\dashv$ |
| $\vdash$ | 11         | 1            |                 | +       | ╁            | +         | $\Box$      | $\vdash$ | $\dashv$ |       | 61       |          | $\dashv$     | $\dashv$ | 十        | +        | $\dashv$      | +   | +                 |        |       | 111        | -        | -             | +                       | 十         | ┪        |          | -        | -        | $\dashv$ |
|          | 12         | Ť            |                 | +       | +            | +         | Н           | H        | $\dashv$ |       | 62       | $\vdash$ |              | $\dashv$ | $\dashv$ | $\dashv$ | +             | +   | +                 |        |       | 112        | $\vdash$ |               | +                       | $\forall$ | 一        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 13         | V            | $\vdash$        | ╅       | $\top$       | +-        | Н           | H        | $\dashv$ |       | 63       |          |              | $\vdash$ | $\dashv$ | $\dashv$ | $\top$        | $\top$  | +                 | 1      |       | 113        | $\vdash$ | -             | $\top$                  | $\dashv$  | _        | $\dashv$ | $\dashv$ | 一        | $\dashv$ |
|          | 14         | V            |                 | +       | +            | T         |             |          | $\dashv$ |       | 64       | H        |              | -        | $\dashv$ | 十        | $\dashv$      | +   | _                 | 1      | -     | 114        | $\Box$   | $\top$        | $\dagger$               | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 15         | 1            |                 | $\top$  | 十            | $\top$    | П           | H        | ᅱ        |       | 65       | Н        |              | $\sqcap$ | $\dashv$ | _        | $\top$        | $\top$  | $\top$            |        |       | 115        | $\vdash$ | $\dashv$      | $\top$                  | 7         | 7        | $\neg$   | $\dashv$ | $\dashv$ | ᅱ        |
|          | 16         | 1            |                 | _       | ✝            |           | $\Box$      |          | ᅵ        |       | 66       |          |              |          | 7        | T        | $\neg$        | $\top$  | 1                 |        |       | 116        |          |               | 十                       | 7         | $\neg$   | $\neg$   | ヿ        | ヿ        | ヿ        |
|          | 17         | <b>V</b>     |                 | 十       | T            | 1         | $\Box$      | П        | ╗        |       | 67       |          |              |          | T        | 7        |               |   |                   |        |       | 117        |          |               | 十                       | T         |          |          | $\neg$   | $\neg$   | $\neg$   |
|          | 18         | 7            |                 | T       | 十            | 1         | $\Box$      |          |          |       | 68       |          |              |          |          |          |               | $\top$  |                   |        |       | 118        |          |               | 丁                       | T         |          | $\neg$   | $\neg$   | $\neg$   | コ        |
|          | 19         | 1            |                 | $\top$  |              | İ         | i i         |          |          |       | 69       |          | $\Box$       |          |          |          | Ì             | $\top$  |                   |        |       | 119        |          | $\neg$        | $\top$                  | 7         |          |          | $\neg$   | $\neg$   | $\neg$   |
|          | 20         | √            | П               | 1       | 1            |           |             |          |          |       | 70       |          |              |          | ヿ        |          |               | $\top$  | 1                 |        |       | 120        |          |               | $\top$                  | T         |          | $\neg$   |          |          |          |
|          | 21         |              |                 |         |              |           |             |          |          |       | 71       |          |              |          |          |          |               |   |                   |        |       | 121        |          |               |                         |           |          |          |          |          |          |
|          | 22         |              |                 |         |              | ĺ         |             |          |          |       | 72       |          |              |          |          |          |               |   |                   |        |       | 122        |          |               |                         |           |          |          |          |          |          |
|          | 23         |              |                 |         |              | $\perp$   |             |          |          |       | 73       |          |              |          |          |          |               |   |                   |        |       | 123        |          |               | $\perp$                 | ┙         |          |          |          |          |          |
|          | 24         |              |                 |         |              | ┸         | Ш           |          |          |       | 74       |          |              |          | $\perp$  | $\perp$  |               | 1   |                   |        |       | 124        |          |               |                         |           |          |          |          |          |          |
|          | 25         |              |                 | $\perp$ | $\perp$      |           | $\sqcup$    |          |          |       | 75       |          |              |          | _        | _        |               |   |                   |        |       | 125        |          |               | _                       | _         |          | _        |          |          |          |
|          | 26         |              |                 | $\perp$ | $\perp$      | _         |             |          |          |       | 76       | Щ        |              | _        | _        | _        | _             | $\perp$   |                   |        |       | 126        | $\Box$   | $\dashv$      | 4                       | _         |          |          |          | _        | ᅵ        |
|          | 27         |              | $\sqcup \bot$   |         | $\perp$      | ╄         | $\sqcup$    |          |          |       | 77       |          | _            | _        | 4        | _        | _             | -   | <u> </u>          |        |       | 127        |          | $\perp$       | 4                       | _         | _        | _        | 4        | _        | ᅬ        |
|          | 28         | <u> </u>     | $\sqcup \bot$   | _       | $\bot$       | ╄         | $\sqcup$    | Ш        |          |       | 78       | _        |              | _        |          |          | _             | _   | 1                 |        |       | 128        |          |               | 4                       | _         | _        |          | _        | _        | ᅴ        |
|          | 29         |              | <u> </u>        | - -     | +-           | $\bot$    | $\sqcup$    |          |          |       | 79       |          |              | _        | 4        | $\dashv$ | _             | _   | _                 |        |       | 129        | _        | $\dashv$      | 4                       | -         |          |          | $\dashv$ | $\dashv$ | 4        |
|          | 30         |              | $\vdash$        | _       | +-           | +-        | $\sqcup$    |          |          |       | 80       |          |              |          |          |          |               | _   | _                 |        |       | 130        |          | $\rightarrow$ | 4                       | 4         | _        | _        | _        | $\dashv$ |          |
|          | 31         |              | $\vdash \vdash$ | 4       | 4            | +         | $\vdash$    | 1        |          |       | 81       | Щ        |              | $\dashv$ | $\dashv$ | $\dashv$ | +             | +   |                   |        |       | 131        | $\dashv$ |               | +                       | $\dashv$  | -        | $\dashv$ | -        | $\dashv$ | ᅴ        |
|          | 32         | <u> </u>     | $\vdash \vdash$ | +       | +            | +         | ┼           | $\vdash$ | $\dashv$ |       | 82       | $\vdash$ |              | $\dashv$ | $\dashv$ | $\dashv$ | +             |   | +                 |        |       | 132        | -        | -             | +                       | $\dashv$  | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u> | 33<br>34   | <del> </del> | $\vdash \vdash$ | +       | +            | +-        | $\vdash$    | $\dashv$ | $\dashv$ |       | 83<br>84 | Н        | -            | $\dashv$ | +        | -+       | +             |   | +                 |        |       | 133<br>134 | $\vdash$ | +             | +                       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ |          | ᅴ        |
| -        | 35         | -            |                 | +       | +            | +         | +           | $\vdash$ | $\dashv$ |       | 85       | Н        | $\dashv$     | $\dashv$ | +        | $\dashv$ | +             | +   | +                 |        |       | 135        |          |               | +                       | +         | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 36         |              |                 | +       | +            | +-        | ┼╌┤         | $\vdash$ | $\dashv$ |       | 86       | $\vdash$ | -            | $\dashv$ | +        | $\dashv$ | +             | +   | +                 |        |       | 136        | $\dashv$ | -             | +                       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |
|          | 37         | -            | -               | +       | +            | +-        | +           | $\dashv$ | $\dashv$ |       | 87       | $\vdash$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ | +             | +   | +                 |        |       | 137        |          | $\dashv$      | +                       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
| -        | 38         | _            |                 | +       | +            | +         | H           | $\vdash$ | $\dashv$ |       | 88       | $\vdash$ | -            | $\dashv$ | +        | +        | +             | +   | +                 |        |       | 138        | $\dashv$ | +             | +                       | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
| $\vdash$ | 39         | -            | $\vdash \vdash$ | +       | +            | +         | ${}^{\dag}$ | $\dashv$ | $\dashv$ |       | 89       | Н        | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ |               | _   | +-                |        |       | 139        | $\dashv$ | $\dashv$      | +                       | $\dashv$  | _        | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        |
|          | 40         |              |                 | +       | 1            | $\dagger$ | +           | H        | -        |       | 90       | H        | $\dashv$     | $\dashv$ | +        | 十        | 十             |   | $\top$            |        |       | 140        | $\dashv$ | $\dashv$      | 十                       | +         | 寸        | 寸        | $\dashv$ | 一        | ᅱ        |
|          | 41         | -            |                 | +       | †            | $\dagger$ | $  \cdot  $ | $\sqcap$ | $\dashv$ |       | 91       | Н        |              | 1        | $\dashv$ | $\dashv$ | $\neg$        | $\top$  | 1                 |        |       | 141        | $\dashv$ | $\dashv$      | 十                       | 7         | _        | $\neg$   | $\dashv$ | $\dashv$ | ᅥ        |
|          | 42         | Т            |                 | $\top$  | $\top$       | $\top$    | $\sqcap$    |          | 一        |       | 92       |          |              | $\dashv$ | 寸        | _        | $\top$        | $\top$  |                   | :::::  |       | 142        | $\dashv$ | $\dashv$      | 十                       | $\exists$ | T        | 1        | $\dashv$ | $\dashv$ | ᅥ        |
|          | 43         |              |                 | 1       | T            | $\top$    | П           | $\sqcap$ | $\neg$   |       | 93       | П        | 一            | $\Box$   | T        |          | $\top$        | 1   | 1                 |        |       | 143        | $\Box$   | $\neg$        | 7                       | $\dashv$  | T        | 1        | 寸        | $\dashv$ | 一        |
|          | 44         |              | $\vdash$        | 十       | T            | †         |             |          |          |       | 94       |          | $\neg$       | $\Box$   | T        |          | $\top$        | 7   | 1                 |        |       | 144        |          |               | $\top$                  | $\top$    |          |          | 寸        | 丁        | 一        |
|          | 45         |              |                 | T       | Τ            |           |             |          |          |       | 95       |          |              |          |          |          | $\Box \vdash$ |   |                   |        |       | 145        |          |               |                         | $\Box$    |          |          | 丁        | $\Box$   | $\Box$   |
|          | 46         |              |                 |         |              | L         |             |          |          |       | 96       |          |              |          | ╛        | 丁        |               |   |                   |        |       | 146        |          |               |                         |           |          |          | J        | $\Box$   | 口        |
|          | 47         |              |                 | I       |              |           |             |          |          |       | 97       |          |              |          |          |          | I             | $oldsymbol{\mathbb{T}}$                           | $\prod_{i=1}^{n}$ |        |       | 147        |          | $\Box$        | I                       |           |          |          | J        | $\Box$   |          |
|          | 48         |              |                 |         |              |           |             |          |          |       | 98       |          |              |          |          |          |               | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $\prod$           |        |       | 148        |          |               | $oldsymbol{\mathbb{I}}$ |           | $\Box$   |          | $\Box$   |          |          |
|          | 49         |              |                 | L       | L            | 匚         | Ш           |          |          |       | 99       |          | $oxed{\bot}$ | $\Box$   | $\Box$   |          |               | $\perp$   |                   |        |       | 149        |          | $\Box$        | $oldsymbol{\perp}$      | $\prod$   |          |          | $\Box$   | [        |          |
| ليبيا    | 50         |              |                 | 1_      | _L_          |           |             |          |          | <br>  | 100      |          |              |          |          | $\perp$  |               | 丄   |                   |        |       | 150        |          |               | $\perp$                 |           | [        |          | $\perp$  | $\Box$   | $\Box$   |